

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Propulsion System

the specification of which (check one)

[ ] is attached hereto.

[X] was filed on August 5, 1998 as United States Application Number 09/129,147

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			<u>Priority Not Claimed</u>
(Number)	(Country)	(Day/Month/Year filed)	[ ]
(Number)	(Country)	(Day/Month/Year filed)	[ ]
(Number)	(Country)	(Day/Month/Year filed)	[ ]

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

<u>60/055,013</u> (Application Number)	<u>August 7, 1997</u> (Filing Date)
<u>(Application Number)</u>	<u>(Filing Date)</u>

**COPY**

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
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(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
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(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
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(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
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As a named inventor, I hereby appoint the attorneys and/or agents associated with

Hamilton, Brook, Smith & Reynolds, P.C.  
2 Militia Drive  
Lexington, Massachusetts 02421-4799  
Customer No. 21005

**COPY**

to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

I also hereby grant additional Powers of Attorney to the attorneys and/or agents associated with **Customer No. 21005** to file and prosecute an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states;

and \_\_\_\_\_

Send correspondence to: \_\_\_\_\_ Thomas O. Hoover

Hamilton Brook Smith and Reynolds, P.C.  
Two Militia Drive  
Lexington, MA 02421-4799

Direct telephone calls to: \_\_\_\_\_ Thomas O. Hoover

\_\_\_\_\_ (781) 861-6240

Direct facsimiles to: \_\_\_\_\_ (781) 861-9540

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole

or first inventor D. Clint Seward

Inventor's

Signature D. Clint Seward

Date 9/18/98

Residence 42 WASHINGTON DRIVE  
ACTON, MASS 01720

Citizenship USA

Post Office Address Same

**COPY**

Full name of second joint

inventor, if any \_\_\_\_\_

Inventor's

Signature \_\_\_\_\_

Date \_\_\_\_\_

Residence \_\_\_\_\_

Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231		
on	<u>6/29/01</u>	Signature
<u>Katie A. Yeaton</u>		
Typed or printed name of person signing certificate		

**COPY**

REVOCATION OF POWERS OF ATTORNEY  
AND APPOINTMENT OF NEW ATTORNEYS AND/OR AGENTS  
AND CHANGE OF CORRESPONDENCE ADDRESS

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Electron Power Systems, Inc., a Corporation duly organized under the laws of the Commonwealth of Massachusetts, is the assignee of the entire right, title and interest in the patent applications and patent identified in Attachment A. Electron Power Systems, Inc. hereby appoints the attorneys and/or agents associated with:

Bowditch & Dewey, LLP  
161 Worcester Road  
Framingham, MA 01701-9320  
Thomas O. Hoover, Reg. 32,470  
Monica Grewal, Reg. 40,056

to prosecute the identified applications and any divisions or continuations thereof and to conduct all business in the United States Patent and Trademark Office. All previously granted Powers of Attorney are hereby revoked.

Certification under 37 C.F.R. §3.73(b) with Attachment A is submitted herewith.

All correspondence should be sent to Bowditch & Dewey, LLP, 161 Worcester Road, Framingham, Massachusetts 01701-9320. Please direct all telephone calls to Thomas O. Hoover, Esq. at (508) 879-5700, and all facsimile communications to (508) 872-1492.

Respectfully submitted,  
Electron Power Systems, Inc.

By Clint Seward  
Clint Seward  
Title: President

Date 6/27/2001

Applicants:	D. Clint Seward, Chiping Chen and Richard J. Temkin	Atty. Docket No.: 0932.1004-000
Application No.:	08/973,138	Group: 2879
Filed:	1 December 1997	Examiner: M. Haynes
Title:	Energy Storage Device	
Grant Date:	31 October 2000	Patent No.: 6,140,752
Assignee:	Electron Power Systems, Inc.	
Recordation Date:		Reel: Frames:
Applicants:	D. Clint Seward, III, Chiping Chen and Richard J. Temkin	Atty. Docket No.: 0932.1004-009
Application No.:	09/702,948	Group: 2879
Filed:	31 October 2000	Examiner: Not Assigned
Title:	Energy Storage Device	
Assignee:	Electron Power Systems, Inc.	
Recordation Date:	19 March 2001	Reel: 011635 Frames: 0297-0300
Applicants:	D. Clint Seward	Atty. Docket No.: 0932.1006-001
Application No.:	09/129,147	Group: 2879
Filed:	5 August 1998	Examiner: M. Day
Title:	Propulsion System	
Assignee:	Electron Power Systems, Inc.	
Recordation Date:	28 September 1998	Reel: 9489 Frames: 0595-0597
Applicants:	D. Clint Seward, III, Dewitt C. Seward IV and Chiping Chen	Atty. Docket No.: 0932.1010-000
Application No.:	60/136,513	Group: Not Assgined
Filed:	28 May 1999	Examiner: Not Assigned
Title:	Micropropulsion System for Vehicles	
Assignee:	Electron Power Systems, Inc.	
Recordation Date:	6 March 2000	Reel: 010708 Frames: 0688-0691

COPY

Applicants:	D. Clint Seward III, DeWitt C. Seward IV and Chiping Chen	Atty. Docket No.: 0932.1010-001
Application No.:	09/387,670	Group: 3746
Filed:	31 August 1999	Examiner: E. Gartenberg
Title:	Propulsion System	
Assignee:	Electron Power Systems, Inc.	
Recordation Date:	21 March 2000	Reel: 010704 Frames: 0305-0308
[Redacted]		

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CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

\_\_\_\_\_  
Electron Power Systems, Inc. \_\_\_\_\_, a \_\_\_\_\_ Corporation \_\_\_\_\_,  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is

A.  the assignee of the entire right, title and interest in the patent applications identified in attachment A.

B.  an assignee together with [ ] of the entire right, title and interest in the patent application identified above. A separate Certificate under 37 CFR § 3.73(b) is attached.

The right, title and interest of the above-named assignee in the patent applications identified in attachment A is established by virtue of:

A.  An assignment from the inventor(s) of the patent applications identified in attachment A. The assignment was recorded in the Patent and Trademark Office at the Reel and Frames indicated in attachment A, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

**COPY**

Additional documents in the chain of title are attached.

Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 6/27/2001

Name: Clint Seward

Title: President

Signature: Clint Seward

Applicants:	D. Clint Seward, Chiping Chen and Richard J. Temkin	Atty. Docket No.: 0932.1004-000
Application No.:	08/973,138	Group: 2879
Filed:	1 December 1997	Examiner: M. Haynes
Title:	Energy Storage Device	
Grant Date:	31 October 2000	Patent No.: 6,140,752
Assignee:	Electron Power Systems, Inc.	
Recordation Date:	Reel: Frames:	
Applicants:	D. Clint Seward, III, Chiping Chen and Richard J. Temkin	Atty. Docket No.: 0932.1004-009
Application No.:	09/702,948	Group: 2879
Filed:	31 October 2000	Examiner: Not Assigned
Title:	Energy Storage Device	
Assignee:	Electron Power Systems, Inc.	
Recordation Date:	19 March 2001	Reel: 011635 Frames: 0297-0300
Applicants:	D. Clint Seward	Atty. Docket No.: 0932.1006-001
Application No.:	09/129,147	Group: 2879
Filed:	5 August 1998	Examiner: M. Day
Title:	Propulsion System	
Assignee:	Electron Power Systems, Inc.	
Recordation Date:	28 September 1998	Reel: 9489 Frames: 0595-0597
Applicants:	D. Clint Seward, III, Dewitt C. Seward IV and Chiping Chen	Atty. Docket No.: 0932.1010-000
Application No.:	60/136,513	Group: Not Assgined
Filed:	28 May 1999	Examiner: Not Assigned
Title:	Micropropulsion System for Vehicles	
Assignee:	Electron Power Systems, Inc.	
Recordation Date:	6 March 2000	Reel: 010708 Frames: 0688-0691

COPY

Applicants:	D. Clint Seward III, DeWitt C. Seward IV and Chiping Chen	Atty. Docket No.: 0932.1010-001
Application No.:	09/387,670	Group: 3746
Filed:	31 August 1999	Examiner: E. Gartenberg
Title:	Propulsion System	
Assignee:	Electron Power Systems, Inc.	
Recordation Date:	21 March 2000	Reel: 010704 Frames: 0305-0308

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**COPY**

ATTACHMENT A

Applicants:	D. Clint Seward III	Atty. Docket No.: 0932.1001-000
Application No.:	07/841,308	Group: 2604
Filed:	24 February 1992	Examiner: S. O'Shea
Title: Fixed Geometry Plasma and Generator		
Grant Date:	29 December 1992	Patent No.: 5,175,466
Assignee:	Electron Power Systems, Inc.	
Recordation Date:	31-January-1994	Reel: 6847 Frames: 0417-0419
Applicants:	D. Clint Seward	Atty. Docket No.: 0932.1001-001
Application No.:	07/996,752	Group: 2215
Filed:	24 December 1992	Examiner: S. O'Shea
Title: Energy Storage System		
Grant Date:	31 December 1996	Patent No.: 5,589,727
Assignee:	Electron Power Systems, Inc.	
Recordation Date:	31-January-1994	Reel: 6850 Frames: 0123-0125
Applicants:	D. Clint Seward	Atty. Docket No.: 0932.1001-002
Application No.:	08/455,077	Group: 2879
Filed:	31 May 1995	Examiner: M. Haynes
Title: Energy Storage and Recovery System		
Assignee:	Electron Power Systems, Inc.	
Recordation Date:	02 August 1995	Reel: 7575 Frame: 0681
Applicants:	D. Clint Seward	Atty. Docket No.: 0932.1001-003
Application No.:	08/455,221	Group: 2215
Filed:	31 May 1995	Examiner: M. Haynes
Title: Electron Spiral Toroid		
Grant Date:	30 June 1998	Patent No.: 5,773,919
Assignee:	Electron Power Systems, Inc.	
Recordation Date:	02 August 1995	Reel: 7575 Frames: 0736-0738

**COPY**

VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) & 1.27(c))-SMALL BUSINESS CONCERN

DOCKET NUMBER: EPS97-01pa

Applicant or Patentee: D. Clint Seward  
Serial or Patent No.: 09/129,147  
Filed or Issued: August 5, 1998  
Title: Propulsion System

I hereby declare that I am

the owner of the small business concern identified below:  
 an official of the small business concern empowered to act on behalf of the concern identified below:

**COPY**

NAME OF SMALL BUSINESS CONCERN Electron Power Systems  
ADDRESS OF SMALL BUSINESS CONCERN 42 Washington Street  
Acton, MA 01720

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.12 and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

the specification filed herewith with title as listed above.  
 the application identified above.  
 the patent identified above.

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights in the invention must file separate verified statements averring to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization having any rights in the invention is listed below:  
 no such person, concern, or organization exists.  
 each such person, concern or organization is listed below.

Separate verified statements are required from each named person, concern, or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING D. Clint Seward

**COPY**

TITLE OF PERSON IF OTHER THAN OWNER \_\_\_\_\_

ADDRESS OF PERSON SIGNING 42 Washington Street, Acton, Massachusetts 01720

SIGNATURE D. Clint Seward DATE 9/18/98